INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 . A46B9/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7-A46B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
A	EP 0 471 312 A (KAO CORP) 19 February 1992 (1992-02-19) page 2	1-18	
A	US 3 229 318 A (CLEMENS GEORGE S) 18 January 1966 (1966-01-18) column 2, line 51 -column 3, line 53	1–18	
A	US 5 802 656 A (DAWSON PETER LEONARD ET AL) 8 September 1998 (1998-09-08) column 4	1-18	
Α	US 6 553 604 B1 (CLAIRE KAREN LYNN ET AL) 29 April 2003 (2003-04-29) the whole document/	1-18	

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.	
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family 	
Date of the actual completion of the international search	Date of mailing of the international search report	
14 September 2004	01/10/2004	
Name and mailing address of the ISA	Authorized officer	
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Cardan, C	

INTERNATIONAL SEARCH REPORT

Intermedial Application No PCT/EP2004/006022

ategory °	tion) DOCUMENTS CONSIDERED TO BE RELEVANT *Citation of document, with indication, where appropriate, of the relevant passages	Polygant to alaim his	
Liegoly	Change of Goodenest, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
. ~	FR 2 548 528 A (JOUVIN JEAN LUC) 11 January 1985 (1985-01-11) abstract	1-18	
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	•		
·			
	·		

INTERNATIONAL SEARCH REPORT

information on patent family members

Interrenal Application No PCT/EP2004/006022

Patent document cited in search report		Publication date	Patent family member(s)		Publication date	
EP 0471312	A	19-02-1992	JP	4043127 U	13-04-1992	
			CA	2048790 A1	14-02-1992	
			DE	69120741 D1	14-08-1996	
			EP	0471312 A2	19-02-1992	
			HK	1001170 A1	29-05-1998	
			JP	4104924 U	09-09-1992	
US 3229318	Α	18-01-1966	GB	1098933 A	10-01-1968	
US 5802656	A	08-09-1998	AU	7634796 A	27-06-1997	
			BR	9611673 A	23-02-1999	
			CA	2238326 A1	12-06-1997	
			CN	1207655 A ,C	10-02-1999	
		•	DE	69631557 D1	18-03-2004	
			DE	69631557 T2	05-08-2004	
			EP	0957708 A1	24-11-1999	
			MO	9720484 A1	12-06-1997	
			HU	9903743 A2	28-03-2000	
			IN	188296 A1	31-08-2002	
			PL	326862 A1	26-10-1998	
	·		ZA 	9609960 A	27-05-1998	
US 6553604	B1	29-04-2003	AU	5003101 A	21-05-2002	
			BR	0109245 A	24-12-2002	
			CA	2402085 A1	16-05-2002	
			CN	1418068 T	14-05-2003	
			EP	1265511 A1	18-12-2002	
			JP	2004512888 T	30-04-2004	
			WO	0238004 A1	16-05-2002	
FR 2548528	Α	11-01-1985	FR	2548528 A1	11-01-1985	